

1689

EDINBURGH'S True ALMANACK:  
OR A NEW

X 45. 1 (14)

**Propagandisation**

For the Year of our Lord, 1689.

*Being the first Year after Bissextile or Leap-year, and  
from the Creation of the World, 5638.*

Exactly calculated according to Art, for the Meridian of the  
most Famous City of EDINBURGH, whose Latitude  
is 55 d. 54 m. 2. and Longitude is 11 d. 37 m. from  
Pico Taniriff, according to the Newest Tables.



**GOD · SAVE · THE · KING**

By JAMES PATERSON Mathematician.

HOLY-ROOD-HOUSE, Printed by Mr. P. B. Enginier,  
Printer to the King's Most Excellent Majestie, for His  
Houshold, Chappel and Colledge. 1689.

# A succinct Computation of memorable things to this present Year, 1689.

	Creation of the World	5638
	Flood of Noah	3982
	Destruction of Sodom and Gomorrah	3593
	Building of Rome	2441
	Building of Edinburgh Castle	2019
	First King of Scotland FER GUS	2018
	Passion and Death of CHRIST	1656
	Conversion of S. Paul	1655
	Burning of Rome by NERO	1628
	Christian Faith was first received in Scotland	1479
	First use of Guns	309
	Invention of Printing	249
	Colledge of Glasgow was builded	234
	Battle of Pinkie Septem. 10	142
	Battle of Corrychie Septem. 10	127
	Battle of Brichen	117
Since The	Colledge of Edinburgh was builded	107
	Pest in Edin. wherein died 11000	105
	Bridge of Dee was foughten	100
	Coll. of Aberdeen was founded by the Earl of Marshal.	96
	Battle of Glenlivet	95
	Birth of King CHARLES The First	89
	Birth of King CHARLES The Second May. 29	59
	Birth of King JAMES the Seventh, Octob. 14.	56
	Bridge of Dee was foughten again, June	50
	Rebellion of Ireland	47
	Battle of Tippermoor Sep. 1. and Aberdeen Septem. 14	45
	Battle of Inverlochie Feb. 2. Oldearn May 9. Alford July 2. Kilsyth Aug. 15. and Philiphaugh	44
	Battle of Preston Commonly called the Dukes engagment	41
	Coronation of K. Charles 2 at Scoon Ian. 1.	40
	Englishes enterd Scotland July 22. battle of Dumbar Sep. 3. Edin. Castle renderd Dec. 24.	39
Town of Dundee was taken Sep. 1. Battle of Worcester Sep. 3.	38	
Happy arrival of K. Charl. 2 at London, May 29.	29	
Death of King Charles the second, Feb. 6.	4	
Proclamation of K. James the 7 at Edinb. Feb. 10		
The Prince and Stewart of Scotland was born the 10 of June 1688		

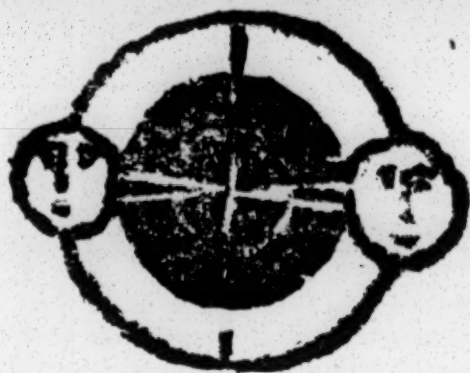
What Reason proud, dost thou so much excell!  
 Consider there is harm, it did rebell;  
 What Reason is I mean, unty the Knots,  
 And you shall find it is but \_\_\_\_\_

## Common Notes this Year 1689.

The Golden Number	18	Pasch or Easter	March 31
The Epact	18	Ascension-Day	May 9
The Dominical Letter	F	Whitfunday	May 19
Fastens-Even,	Feb. 12	Trinity Sunday	May 26

# Of the Eclipses this Year 1689.

There will be two Eclipses this year, and both of the Moon, total and visible, as followeth.



The first will be on March the 25 day, in 15 d. of *Libra*, and will appear total at Sun-setting, when the Moon riseth.

Eclipse ends at 8 9 52 at night.

The second Eclipse will be on September, in the 7 deg. of *Aries*, as followeth.

	d.	h.	m.	s.	
Apparent time of true Opposition	19	2	13	14	morning.
Eclipse begins	18	11	51	01	at night.
Greatest Obscuration	19	2	12	39	morning.
Eclipse ends at Edinburgh	19	4	34	17	morning.

A Table, shewing on which Day of the week each Moneth begins from these following Years.	March	Novemb	June	February	Septemb.	Decemb.	April	July	October	May	January	August
1691	1696	1702	1713	lund	mun.	tuesf.	wed.	thursf.	frid.	fat		
1697	1703	1708	1714	mun.	tuesf.	wed.	thursf.	frid.	fat.	fun.		
1692	1698	1709	1715	tuesf.	wed.	thur.	frid.	fat.	fun.	mun.		
1693	1699	1704	1710	wed.	thursf.	frid.	fat.	fun.	mun.	tuesf.		
1688	1694	1705	1711	thursf.	frid.	fat.	lund.	mun.	tuesf.	wed.		
1689	1695	1700	1706	frid.	fat.	fun.	mun.	tuesd.	wed.	thu.		
1690	1701	1707	1712	fat.	lund.	mun.	tuesf.	wed.	thur.	fri.		

## The Use.

Seek the Year in the left side, amongst the Years, and the Moneth in the head, and in the Angle of meeting you have the day of the week on which that Month begins, observing each year to begin at March, and because of the odd day that falls in the end of *February* each Leap-Year, so that for *January* and *February* 1689 I seek in the Table for 1688, and so of any other Year.

Example, for *January* 1689, I seek 1688, in the left hand and *January* in the head, so going along both Columns, they meet at Tuesday, which shews *January* 1689 begins on Tuesday.

2 Example, for *May* 1689, I seek 1689, and *May* as before, and finds *May* begins on Tuesday likewise, and so of any other.

This Table may serve for ever, if for years preceeding you make a continual addition of 28 years, until it fall in the table, and a continual subtraction for years after.

Example, for *April* 1622, to which add 28 is 1650, then add 28 more, is 1678; again add 28 makes 1706, which sought with *A. pril*, shews it to begin on Munday.

**The exact Day, Hour and Minut of the New Moon, her Full and Quarters, with the daily disposition of the Weather, the whole remarkable Fairs in SCOTLAND; with some remarkable dayes for the year 1689. Also the Suns rising and setting at Edinburgh, the first day of each Month.**

## **January begins on Tuesday, XXXI. Days.**

*Sun riseth 25 minuts past 8. and sets 35. min. past 3.*

Last Quarter Thursday the 3 day, 42 min. past noon.

New Moon Friday the 11 day, 50 min. past 10 forenoon.

First quarter Friday the 18 day, 6 min. past 8 in the morning.

Full Moon Friday the 25 day, 52 min. past 10 forenoon.

This year begins with good weather to the 4 day, on which there is a square of Saturn and Jupiter, another of Saturn and Mercury, the Moon in Apogæon, the 6 d. signifies boysterous winds with snow to the 14 d. on which there is a square of the Sun and Saturn, and on the 17 d. a Conjunction of the Sun and Jupiter, the Moon in Perigæon, the 19 d. causeth good winter weather to the 24 d. on which there is a square of Saturn and Mercury, on the 27 d. a Conjunction of Jupiter and Mercury, on the 28 d. a square of Mars and Venus, on the 31 d. Moon Apogæon, sheweth the moneth to end with cold weather.

*The first Fair in the year is at Kilsyth the 1 day. St. Naughlans Fair at the Town of old Meldrum, the 2 Tuesday. Tantan fair at Lawrance Kirk, and at the Kirk of Bethelny in Gerry upon the 7 day, St. Mungo in Glasgow, and at the Town of Polwart the 13 day, at Dunkeld and Kilwinning the 21 day. S. Pauls Fair at Turriff in Buchan the last Tuesday.*

## **February begins on Frid. XXVIII. Days.**

*Sun riseth 25 min. past 7. sets 35 min. past 4.*

Last quarter Saturday the 2 day, 36 min. past 11 forenoon.

New Moon Saturday the 9 day, min. 1 past 11 at night.

First quarter Saturday the 16 day, 21 min. past 3 afternoon.

Full Moon Sunday the 24 day, 52 min. past 1 in the morning.

This month begins with frost to the 7 d. on which there is a square of the Sun and Mercury, which portends wind and rain to the 16 d. on which the moon is in Perigæon in the airy sign Gemini, which causeth changeable weather to the 28 d. on which the moon is in Apogæon, in the watry sign Scorpio, causing the moneth to end with rain.

*St. Brides fair at Abernethie, Forres in Murray land, and at the Town of Invernes the 1 day, Candlemas fair in Bamff, Dunkeld, Dingwall and Dowglas the 2 day, Candlemas fair at the Town of Rattray in Buchan the first tuesday after Candlemas, at Cowper of Fife the 1, Wednesday of the moneth. at methlick the second tuesday; Valentines day being still on the 14 day, at Linlithgow; at Forfar the 15 day, holding 8 dayes, at Vassleyfield the 24 day.*

**Whiles**

Whiles in February, whiles in March.  
Fastens even fair at Fyvie, and Lanerk on Fastens even-day.

## March begins on Friday, XXXI. Days.

*Sun riseth 20 min. past 6. sets 40 min. past 5.*

Last Quarter Munday the 4 day, 30 min. past 6 in the morning.

New Moon Munday the 11 day, 37 min. past 9 in the morning.

First Quarter Sunday the 17 day, 57 min. past 11 at night.

Full Moon Munday the 25 day, 44 min. past 5 at night.

Upon the second day there is an Opposition of Saturn and Venus, which portends changeable weather to the 14 day, on which the moon is in Perigæon in the earthly sign Taurus, and on the 17 d. a square of Jupiter and Venus, causing temperat weather to the 22 d. on which there is a square of Saturn and Mars, with a Conjunction of the Sun and Mercury, on the 25 d. an Eclipse visible in the airy sign Libra, on the 28 d. the moon Apogæon, in the moist sign Scorpio shews the month shall end with wind & rain.

S. Monnence in Aberdeen, Dumfermling, Abercherder St Marnoch-Kirk, and Strathven the 1 day, at Kennoquhy in Fife, consisting of Horse, Neat, &c. with a weekly Mercat every Wednesday of all flesh, fishes, &c. belonging to the Laird of Balfour, and at Picten-weem the 3 day, St. Marnoch fair at the Kirk of Lencha the 1 Tuesday, at Dumblain the first Wednesday, at Markinch the 6 day, St. Annes fair at the Kirk town of tarves the 2 Tuesday, St. Duthos in Tane of Ross 9 day, at Inverness and Auchtermul the 10 day, St. Causnan at Dunichtin Kirk in Angus shire the 11 day, St. Patricks Fair in Dumbarton, Kirkaldie, and at the Kirk of Blackford the 15 day, at S. Johnstoun the 19 day, S. Cathberts Fair in Langtoun of the Mers the 20 day, Lady day in West Weems, Bamff, and Auchtermuchtie the 25 day, at Kinross the 3 Wednesd.

Whiles in March, and whiles in April:

Mid-lentron Fair at Trantie-banchrie on Thursday before Mid-lentron Sunday, Palm-Sunday Fair at the town of Kirkwall in Orkney which stands the whole week after Palm-sunday at the Kirk of Forrig, and at the town of Inverness and St. Johnstoun all upon the Munday thereafter, a Fair at New Leslie upon the Tuesday after Palm-Sunday, Skierthursday Fair at Glasgow, Dumbarton, Couper of Angus, Elgin of Murray, Frendraught, and in old Aberdeen the Thursday after Palm-sund. Pasch-munday a Fair at Couper of Fife, and Irwin. A Fair at the town of Forres in Murray Shire, Borrowstonness, and Corsterphine the first Tuesday after Pasch, Pasch Fair at Lanerk upon the Wednesday after Pasch, a fair at S. Andrews, holding all the week after Low-sunday.

## April begins on Munday, XXX. days.

*Sun riseth 8 min. past 5. sets 52 min. past 6.*

Last quarter Tuesday the 2 d. 11 min. past 9 at night.

New Moon Tuesday the 9 day, 12 min. past 6 at night.

First Quarter Tuesday the 16 day, 22 min. past 10 forenoon.

Full Moon Wednesday the 24 day, 40 min. past 10 forenoon.

This.

This month begins with variable weather to the 10 d. on which the moon is in Perigee in the earthy sign Taurus, with an Opposition of the Sun and Saturn, on the 12 d. causing stormy weather to the 19 d. on which there is a Conjunction of Mars and Venus, and the moon is Apogee on the 23 d. in the moist sign Scorpio, with a Conjunction of Jupiter and Mars on the 25 d. causing moist weather to the end of the month.

St. Oles Fair at Cruden in Buchan, The first Tuesday : St. Donalds Fair at the Kirk of Auchterless in Buchan the 17 day, St. Marks Fair in Dysert and Forres the 23 day. St. Marks day being the 25 d. Beltan day the first being the 26 day, a Fair at Rugland the 28 day, lasting 4 dayes, Rude Fair at Ratray in Buchan and St. George Fair at the Kirk of methlick the last Tuesday, a Fair at Leven the 29 day, in Kilreny the 30 day.

## May begins on Wednesday, XXXI. Days.

Sun riseth 4 min. past 4. sets 56 min. past 7.

Last Quarter Thursday the 2 day, 3 min. past 10 forenoon.

New Moon Thursday the 9 day, 15 min. past 1 in the morning.

First Quarter Wednesday the 15 day, 1 min. past 11 at night.

Full Moon Friday the 24 day, 59 min. past 2 in the morning.

Last quarter Friday the 31 day, 20 min. past 7 at night.

This month begins with moist weather to the 3 d, on which there is an Opposition of Saturn and Mercury, causing wind with showres now and then to the 10 d. on which there is a square of the Sun and Jupiter, causing hot weather with some thunder to the 20 d. on which there is a square of Jupiter and Venus, and the Moon in Apogee on the 22 d. in the moist sign Scorpio, portending wind and rain to the 26 d. on which there is a Conjunction of the Sun and Mercury, with a square of Mars and Mercury on the 29 d. which shews the month shall end with great winds.

A Fair in the New Burgh of Girven the first Tuesday, with a weekly mercat every Munday, and another every Friday, belonging to the Laird of Penkell, St. Philips Fair in the Grange in Linlithgow Shire, May Fair at Falkirk and at the New Kirk of Kilpatrick the 1 day, St. minnans Fair at old Chappel in Freswick within the shire of Cathness the 2 day, Rude Fair at Ellion in Buchan, Belton Fair at Monroff in the Shire of Angus, at Kinrother and Pebles, S. Congals Fair at the Kirk of Doors in Mernes Shire, Fumuck Fair at Fumuck Kirk in Bamff Shire, Chappel of Dine in the Parish of Watten, and Dinct within the Shire of Cathness all on the 3 day, at Renfrew 9 d. at Carlouk, Drymen and Fittlefie the 10 day, Brandon Fair at Bamff and Kirkaldie the 16 d. S. Johns Fair at old Meldrum the last Tuesday. a Fair at Glenquithel the last Wednesday.

Whiles in May, whiles in Iune.

Ascension day at the Burgh of Annan, and at Sterling ten dayes before Whitsunday; Whitsunday Fair at Stone-hive in Mernes Shire and at Alith in the Shire of Angus on Tuesday before Whitsunday at New Lesly the Thursday before Whitsunday. Whitsun munday at Glasgow, Dumbarton and Iedburgh, Whitsun-tuesday called Pardon-day at Chanry in Ross, Borrowstounnes, Peter-head, Kirk of Ninians, Ormiston, Linlithgow

gow, Dumblain, Whitsunday Fair at Lanerke the Wednesday after Whitsunday, Trinity Sunday, being still the Sunday after Whitsunday, Trinity Munday at Edinburgh, holding 8 dayes, at Brechin, S. Andrews and Bruntland the same day, Trinity Tuesday in Ruglan, Trinity Wednesday at the Moor of Dun, Trinity Thursday at Falkland.

## June begins on Saturday, XXX. Days.

*Sun riseth 23 min. past 3. sets 37 min. past 8.*

New Moon Friday the 7 day, 40 min. past 8 in the morning.

First Quarter Friday the 14 day, 31 min. past 1 afternoon.

Full Moon Saturday the 22 day, 58 min. past 3 afternoon.

Last Quarter Sunday the 30 day, 36 min. past 1 in the morning.

This Month begins with pleasant Weather to the 4 day, on which the moon is in Perigæon, in the earthly sign Taurus, with a Conjunction of Venus and Mercury the 5 d. causing dry winds to the 11 d. on which there is a square of the Sun and Mars, with a Conjunction of the Sun and Venus the 13 d. a square of Mars and Venus the 14 d. the moon in Apogæon the 17 d. in the moist sign Scorpio, a square of Saturn and Mercury the 18 d. causing changeable weather all that time, from thence to the end of the month moist weather.

*At Cairingtoun the 1 d. A fair at Kinross & Dunblaw the 1 Tuesday in Colinsburgh the 1 Friday, belonging to the Noble Earl of Belcarras. in Lang-newtown the 5 day, a Fair at Stramiglo, Aberdour, and Ennerkeithing the 6 day, S. Colms Fair at Drumhead in Belhelvie Kirk town of David in the Gerry, Muirs-keith near the Kirk of Carachy in Angus Shire, Bernards Fair at Monifeeth, and at New-deer in Buchan all upon the second Tuesday, a Fair at Drymen the 9 day, in Forgondenny the 10 d. S. Barnabie in Lawder, Dysert, Dowglas, St. Laurence Fair in Crinnock, Preston-pans, and Dirletoun all on the 11 d. St. Davids Fair in Baligerno in Perth Shire the 12 d. St. Margarets Fair upon the Mains of Keith-hall (some tymes called Caskey-byn,) at Tur-reff, at the Burgh of Annan, and town of old hamstocks all upon the 3 Tuesday, at Abernethy, & Ceres in Fife the 13 d. in Auchtertuil, Belhelvie, Clackmanan, St. Anthonies Fair at the good Town of Inverliethen, and at Scoon the 15 d., at Straven the 16 d. St. Margaret in Dumfermling, and at Moffat the 18 d. at Earlestown the 19 d. Monro's Fair holden at Colrain in Ross shire the 20 d. at Methil near Levens-mouth the 22 d. St. Iohn the Baptists day, and Midsummer-day being still the 24 d. in Forres, Cornwath, Hawick, and at Townyeit am on the Border, and at Eraserburgh, air holding 4 d. Wigtoun, Bamf, Athelstoun, Meiklour & S. Iohn Fair at S. Iohnstown all on the 24 d. in Alathy in Angus, called St. Emagola, and at the Town of Nicolson, both on the 25 d. St. Peters day at Forfar, Faulkland; Bruntland, Bamff, and Kelso, all on the 26 d. at Gallaashels the 27 d. St. Peter and Pauls day, being alwayes the 29 d. at Pebles, Falkirk and Turso in Cathenes, S. Seriffs Fair at the Kirk of Culshalmen in Gerry, the last Tuesday of this month. Also St. Peters Fair at Migel in Perthshire and Haddingtoun, both upon the last day,*

## July begins on Munday, XXXI. Dayes.

*Sun riseth 32 min. past 3. sete 28 min. past 8.*

New Moon Saturday the 6 day, 8 min. past 5 at night.

First quarter Sunday the 14 day, 34 min. past 5 in the morning.

Full Moon Munday the 22 day, 38 min. past 4 in the morning.

Last quarter Munday the 29 day, 47 min. past 5 in the morning.

On the second day the moon is in Perigæon, in the fiery sign Aries causing exceeding hot weather to the 12 d. on which there is a square of the Sun and Saturn portending hail if not thunder, to the 16 d. on which the moon is in Apogæon in the moist sign Scorpio, which sheweth a Lambas flood to the 29 d. on which the moon is in Perigæon in the earthly sign Taurus, with a Conjunction of the Sun and Mercury on the 30 d. causing the month to end with wind.

A Fair at Culross, Stow, and Edzerstoun in Teviotdale all on the first a. at Abernethie and Auchtermuchtie the second day; St. Martine of Bulzeon 4 d. Peter Fair at Peter-head the 5 d. A New Market in Dundee the 1 Tuesday, S. Thomas in Langtoun the 5 d. Lady Mercat at the Kirk of Forden in the Merns 6 d. St. Andrew, in Glasgow and Inverness the 7 d. at Borrow-stounness, Burgh of Annan, and Aikie Fair at the Town of Old Deer, all on the second Tuesday, St. Lawrence at Grimsnock the 11 d, at Kilwinning the 12 d. S. Margaret in Killmur, and at the Kirk of Forrig the 13 d. at Langholm the 15 d. in Moffat and at Kirkaldy the 18 d. at Stirling & Dumferling the 20 d. Mary Magdalen in Lawder, Lialithgow, Pottenweem, and Pathhead 22 d, S. Margarets Fair at Frendraught, and in Tarves the 3 Tuesday, at Kenross the 3 Wednesday, S. Andrews Fair at the Kirk of Glas in Strabogie, on Tuesday after the 15 d. in Airth and S. Christiana in Corstorphin both on the 24 d. S. James at Forfar, Kinhorn, Couper of Fife, Roxburgh, Alloway, Musselburgh and at Elgin in Murray, all on the 25 d. at Kinloch Rannoch in Athol in Perthshire, at Turreff in Buchan last Tues. S. James Fair at Lanerk on the last Wednesday. at New Lesly, and Whitehorn the last Thursday.

## August begins on Thursday, XXXI. days.

*Sun riseth 25 min. past 4. and sets 35 min. past 7.*

New Moon Munday the 5 day, 1 min. past 3 in the morning.

First quarter Munday the 12 day, 53 min. past 10 at night.

Full Moon Tuesday the 20 day, 57 min. past 3 afternoon.

Last quarter Tuesday the 27 day, at noon.

This month begins with good Harvest weather to the 6 d. on which there is an Opposition of Saturn and Mars, with an Opposition of the Sun and Jupiter the 8 d. portending hail and thunder to the 12 d. on which the moon is Apogæon, in the moist sign Scorpio, causing rain to the 23 d. on which there is an Opposition of Jupiter and Mercury, and on the 26 d. the moon in Perigæon in the airy sign Gemini, which shews the month shall end with Wind.

Lambasday in Atturff, Melross, Ennerkeithing, S. Andrews and Dumbarton all on the 1 d, Lambas Fair at the Town of Kirkwall in Orkny,

Orkney the 3 day lasting 7 dayes, S. Lawrence Fair in Rane the first Tuesday, and Thursday after in Faulkland, S. Lawrence in Merns shire upon Lawrence Muir, a little above the place of Hawkertoun, holding 4 dayes and at Iedburgh, Marymas Fair at the town of Monymusk, all upon the 2 Tuesday, at Kilsyth the 5 d. in Meiklour the 7, d. S. Lawrence day in Selkirk, Auchtermuchtie, Forres, Carnwath, and Dumblain all on the 10 d. Lady day the first in Dundee, Falkirk Dinnet in Cathness Bamff, Merns, Valley-field, all on the 15 d. at Rugland the 20 d. in Scoon the 22 d. Marymas Fair in the Town of Ellion in Buchan, Inverness, and at the Town of Rarray in Buchan, both upon the 3 Tuesday, S. Bartholomew Apostle in Linlithgow, Clackmannan, and in Pebles, all on the 24 d. S. Zephirinus in Corstorphine the 26 d. Samarevis day in Forres 27 d. and S. Johns day in S. Johnst. and Lawder the 29 d. at Kinkairn of Niel the last Tuesday, at Stranaver in the riends of Galloway, and Hook Fair at Lanerk upon the last Frid.

## September begins on Sunday, XXX days.

Sun riseth 33 min. past 5. sets 27 min. past 6.

New Moon Tuesday the 3 day, 19 min. past 3 afternoon.

First Quarter Wednesday the 11 day, 57 min. past 4 afternoon.

Full Moon Thursday the 19 day, 50 min. past 2 in the morning.

Last Quarter Wednesday the 25 day, 20 min. past 8 in the aftern.

On the first day there is a square of Saturn and Venus, and on the 5 d. a square of Mars and Venus which causeth moist weather to the 9 d. on which the moon is Apogæon, in the hot sign Sagittarius, with a Conjunction of the sun and Mercury, the 12 d. near the Equinoctial Point, which threatens great wind to the 18 d. on which there is an Opposition of Jupiter and Venus, with an Eclipse of the Moon in the fiery sign Aries the 19 d. causing good harvest weather to the 22 d. on which there is an Opposition of these two malignant Planets Saturn and Mars, with the Moons Perigæon in the airy sign Gemini the 23 d. which foretells a storm towards the end of the month.

St. Giles Fair in Elgin the 1 d. in Moffat the 2 d. Samervis in Keith the first Tuesday, in Skirline the 4 d. latter Lady day in Dundee, Stirling, Bamff, and at the Town of Inverury all on the 8 d. at Monimusk, Tarves, Muirskith, and at the Kirk of Auchindorr, all on the second Tuesday, Rude Fair at Inverness Dumfermling and Iedburgh the 14 d. at Forfar and Chappel of Dine in Cathness the 15 d. a fair at Pitlesie, the 16. day with a weekly Market, every Wednesday at Kirkaldie the 20 d. Monins fair at the Kirk of Doors the 3 Tuesday, at Bigger the 3 Wednesday, at old Lesly and Mathews Fair at Linlithgow the 21 day, at Stow the 23 d. a new fair at Kennoquhy in Fife. belonging to the Laird of Belfour, as also at Karill, Dumfries and Athelston the 24 d. St. George Fair at Colrain in Ross shire the 25 day at Leven, Nicolson, Tranent, Langtown and Dury, all on the 27 day, St. Michael-day being alwayes upon the 29 d. at new Lesly, Haddingtown, Air, St. Andrews, Crief, Kirkcudbright, Gallaashiels and at the Kirk of Forrig, St. Elizabeths Fair at Baligerno in Perth shire Ranfrem & Burgh of Annan all on the 29 d. St. Jerom in Bamff the last day, at the Kirk of Kinkel, Cifer near the house of Yester, & Frazerburgh last Teuf.

## October begins on Tuesd. XXXI. Days.

*Sun riseth 43 min. past 6. sets 17 min past 5.*

New Moon Thursday the 3 day, 35 min. past 6 in the morning.

First Quarter Friday the 11 day, at noon.

Full Moon Friday the 18 day, 20 min. past noon.

Last Quarter Friday the 25 day, 20 min. past 4 in the morning.

This month begins with an Opposition of Mars and Mercury the 1 d. a Conjunction of Saturn and Mercury the 3 d. a Conjunction of the Sun and Jupiter the 4 d. the moon in Apogæon in the moist sign Scorpio, shews changeable weather to the 12 d. on which there is an Opposition of the Sun and Mars, with a square of Jupiter and Mercury the 14 d. which portends great wind to the 20 d. on which the moon is in Perigæon, in the airy sign Gemini, with a Conjunction of the Sun and Saturn the 21 d. causing good weather to the end of the month, only some showres now and then.

*The 1, 2, 3, a Fair in Salt Preston; at Dundee, Alith, Kinloch Rannoch in Athol; Turreff in Buchan, Mid-Calder, and Dunglass all on the 1 Tuesday. St. Francis in Inverliethen the 3 day, in Abernethie Colinsburgh and Valley field the 4 d. in Meiklour and Edzerston in Tividale the 5 day, in Cowper of Fife the 6 d. at the Town Lon-head of Liffwaid, and at Markinch the 8 d. St. Dinnet in St. Johnstoun, St. Dionise in Pebles, Earleston, Kirkintilloch, Aiton, Auchtermuchtie, Ceres in Fife, Killimuir, Moffat, all on the 9 d. Truel Fair at the Kirk of Renith Moneth, and at Kirkton of Monijeeth, the 2 Tuesday, at Drumhead in Belhelvie the 2 Wednesday at Dalkeith, and Tillibol the 10 d. a fair at Eglesim the 11 day, at Ennerkeithing and Strathven the 12 d. Fenduff at Dinning the 13 day, St. Lukes Fair at Old Aberdeen, town of old Hamstock and Tarves the 3 Tuesday, in Borrowstonness and Musselburgh 16 d. St. Lukes day, being still on the 18 d. at Kester in Cathness and Caringtoun. The same day, a Fair at Lawder, Kinross and Rugland. St. Irena in Corstorphine, at the Kirk of Carlouk, Ormiston and Townyettam on the Border, all on the 20 d. at the new Kirk of Kilpatrick, 21 d. Mary Salamine in Stirling, Dumferling, and Kelso 22 d. at Forfar and Linlithgow 24 d. S. Judes Fair at Glenquithil the Penult Wednesday, at Stenton the last Tuesday, Hallow fair in Ratry in Buchan the last Tuesday, in Kilreny and Stramiglo the 25 d. Fowles Fair in Pasley and Falkirk the 26 d. St. Simon and Judes day, in Dysert, Cockeny, Kirklistoun, Hawick, Migel in Perthshire, and Rosline, all one the 28 d. in Alloway and Nicolson the 29 d. a flourishing Fair in Metthien the third Thursday, at White-burn the last Thursday.*

Novem.

## November begins on Friday, XXX. days

*Sun riseth 53 min. past 7 and sets 7 min past 4.*

New Moon Saturday the 2 day, 15 min. past midnight.

First Quarter Sunday the 10 day, 18 min past 5 in the morning.

Full Moon Saturday the 16 day, 19 min. past 10 at night.

Last Quarter Saturday the 23 day, 2 min. past 5 at night.

On the 3 d. the moon is Apogœon in Sagitarius, with a square of the Sun and Jupiter the 4 d. which portends frost to the 9 d. on which there is an Opposition of Mars and Venus, causing rainy weather to the 17 d. on which there is a Conjunction of the Sun and Mercury, with the moon in Perigœon, in the airy sign Gemini the 18 d. causing windy weather to the 26 d. on which there is a Conjunction of Saturn and Venus in the moist sign Scorpio, bringing rain to the 30 d. on which the moon is in Apogœon in Sagitary, causing good weather to the end of the month.

A Fair at *Edinburgh* the 1 day, holding 8 dayes, *Fordice and Dumblain*, at the New Burgh of *Girven* and at *Iedburgh* upon the first Tuesday, *S. Leonards* fair at *Lanerk* the first Wednesday, at *Alathy* the 2 day at *Kilwinning* the 3 day, at *Forres* and *Largo* the 6 day, *Martimas* day being still on the 11 d. at *Dumbar*, *Melrois*, *Cowper of Fife*, *Hamiltoun*, *Culross*, *Martins Kirk Kilmhaug* and *Strabogie* all upon the 11 d. *Martimas* fair at the town of *Kirkwall* in *Orkny* the whole martimas week. *S. Denick* at *Methil* the 2 Tuesday, at *Kilsyth* the 12 d. *S. Helen* at *Dundee* the 13 d. at *Grinnock* and *Down* in *Monteith* the 15 d. *Margratmas* fair at *Borowstounness* *Dumfermling* and *Lauder* the 16 d. at *Tane*, *Auchtertuil* and *Bryack* fair at the Kirk of *Kowl* all on the 22 d. at *Bruntisland* the 23 d. *Andersmas* fair at *Srradon & Frazerburgh* the 29 d. at old *Meldrum* last Tuesday, *S. Andrews* day, in *S. Iohnstoun*, *Pebles* and *Chirnside* the 30 day.

## Decemb. begins on Sunday, XXXI days.

*Sun riseth 37 min. past 8. sets 23 min. past 3.*

New Moon Sunday the 1 day, 3 min. past 6 at night.

First Quarter Munday the 9 day, 5 min. past 4 at night.

Full Moon Munday the 16 day, 49 min. past 8 forenoon.

Last Quarter Munday the 23 day, 22 min. past 10 forenoon.

New Moon Tuesday the 31 day, 42 min. past 2 afternoon.

This Month begins with kindly winter weather to the 7 d. on which there is a square of Jupiter & Venus, causing increase of frost to the 14 d. on which the moon is in Perigœon in the airy sign Gemini, portending cold winds to the 28 d. on which the moon is Apogœon in Sagitarius, which sheweth the year shall end with frost.

*Advertisment*, That the Magistrats of the Ancient and Royal Burgh of *Lanerk*, have appointed in the said Burgh a weekly Mercat every Tuesday, of all Corn, Beer, Malt, Wheat, Peise, & Beans; and for Encouragment of such as shall bring these Grains to the Mercat, they have declared the same free of any Exaction or Custom for 8 years to come, except for the Peise and Beans, which are to pay the final Custom as before.

*At Tarves the first Tuesday, S. Nicolas fair at Renfrew the 6 d. in Aberdeen the 7 d. at West-Weems the 8 d. Kellamas fair at the Kirk of Rey in Cathness, Bamff, Rothemay, and the Town of Deer the 14 d. Manmas fair at the Kirk of Wat. ten in Cathness the 15 day, S. Cuthbert in Grange of Linlith. gow the 17 d. S. Thomas in Glasgow, Inverness, and at the Down in Monteith the 18 d. St. Thomas day, being the 21 d. Christmalls the 25 day, St. Stevens day, the 26 day, St. Johns the 27 day at Forres and Methil, all upon St. Johns day, St. Davids Fair at Gerry the first Tuesday after Cristmalls.*

*I did propose, and thought for to set forth  
A Diary, which is of greater worth;  
For shewing Place of Sun and Moon each day,  
With other things, this year its like I may  
Do somewhat therein, for the Sons of Art,  
There is no stop if Printer play his part.  
Ephemeris I likewise did intend,  
On which I pains and time therein did spend:  
And yet proceeds, if that I can prevail  
To have them printed, so I bid farewell.*

A Table shewing  
The Tide at Leith.

Moons age.	Full Sea at Leith.
1 16	3 3
2 17	3 46
3 18	4 29
4 19	5 7
5 20	5 45
6 21	6 19
7 22	6 51
8 23	7 39
9 24	8 42
10 25	9 45
11 26	10 43
12 27	11 41
13 28	0 34
14 29	1 27
15 30	2 15

A Tide Table for Leith, Corrected by  
JAMES PATERSON Mathematician.

### The Use.

Seek the Moons age in the first and second Column of the Table, and in the two last Columns you have the true time of full Sea at Leith.

Example to find the full Sea the 27 of April 1689 I find the Moons age by the following Table, to be 18. which I find in the first Column of this Table, and over against it in the last Column I find 4 h. 29 m. the true time of full Sea required.

*Advertisement*, There is two new Fairs at *Dunglass*, within the shieriffdom of *East Loathin*, belonging to the Right Honorable, Sir JOHN HALL of *Dunglass*; the first upon the 1 tuesd. of *June*: The other upon the 1 tuesd. of *October* yearly, each lasting 3 days, with a weekly Mercat every Saturday.

These are to give notice to all Persons, that there are two Fairs holden in a New Village, called *Colinsburgh*, belonging to the Noble Earle of BELCARES; The first holds upon the first Friday of *June*, and the other upon the fourth day of *October*, with an weekly Mercat every Tuesday of the Year.

# A Table to find the Hour of the day by the Shadow of a Staff in the Sun-shine.

Forenoon		11	10	9	8	7	6	5	4
Afternoon		12	1	2	3	4	5	6	7
June	11	'63	'68	'82	1'04	1'38	1'9	2'86	4'96
June	21	'64	'69	'84	1'05	1'40	1'94	2'90	5'10
July	2	'67	'72	'86	1'09	1'44	2'01	3'06	5'59
July	12	'72	'77	'91	1'15	1'52	2'14	3'35	6'57
August	23	'79	'83	'98	1'23	1'64	2'35	3'82	8'60
August	2	'87	'92	1'08	1'35	1'81	2'66	4'60	13'73
September	13	'98	1'03	1'20	1'51	2'05	3'10	5'97	42'96
September	23	1'12	1'17	1'36	1'71	2'36	3'77	8'78	
October	3	1'28	1'35	1'56	1'98	2'80	4'86	17'43	
October	13	1'48	1'56	1'81	2'32	3'43	6'84		
November	23	1'73	1'82	2'12	2'79	4'40	11'39		
December	3	2'03	2'15	2'53	3'45	6'01	32'73		
December	13	2'41	2'56	3'07	4'38	9'13			
January	23	2'88	3'07	3'78	5'81	17'26			
January	2	3'44	3'70	4'70	8'07	89'94			
February	12	4'07	4'43	5'87	11'79				
February	21	4'70	5'16	7'16	17'79				
March	30	5'20	5'75	8'28	26'43				
April	1	5'49	5'99	8'78	31'24				

## The Use

Divide your Staff into 100 equal parts, then set it up perpendicular upon some level piece of Ground, (which you may do by trying whether it inclines to the one side or the other, for it would fall to that side it inclines to if you hold your hand from it,) then seek the nearest day of the Month in the left

Hand, and the length of the shadow of the Staff measured on the Ground with the Staff to the right Hand thereof, and above that in the Head of the Table you have the Hour of the day, either Forenoon or Afternoon required.

Example, suppose on the 23 of August, the shadow being 3 lengths of the Staff, and '77 hundred parts over, I seek the 23 of August in the left side, and 3'77 in the right Hand, and above that in the Head, I find 7 Hours, if in the Forenoon, and 5 Hours, if in the Afternoon: For the dayes of the Month, which are not in the Table, you may allow proportionally, as the shadow Increases or Decreases.

Note, That if you want a Staff, you may guess very near by the length of your own shadow, measured by your own Paces, considering that two of your own Paces is near your length, so that one of them will be '5 or '50 of your length.

To divide your ordinary walking Staff decimally, consider it is always about ten hand breadth length, each hand breadth is five finger breadth; so that each half finger breadth is an hundred part of the Staffs length, so that 7 hand breadth, and 3 fingers breadth is '76 and so of any other.

**T**O find the Suns rising at any of the forementioned places, seek the day of the month in the left side and the place in the head, and where they meet shews the time of the Suns rising for that day required.

*Example.* To find the Suns rising at *Edinburgh* the 3 of *April* for any year whatsoever, seeing the difference is insensible in this age: I seek *April* in the left side and *Edinburgh* in the head, and I find the Sun to rise at 5 ho. 4 m.

To find the Suns setting by this Table, seek the day of the month in the right side, and the place in the head as before, and where they meet shews the time of the Suns setting for that day required.

*Example.* To find the Suns setting at *Edinburgh* the 3 of *April* aforesaid: I seek *April* in the right side and *Edinburgh* in the head and angle of meeting I find 6 houres 56 minutes required. Whole double is the length of the day.

Sun rising every 5 day of each month	Ed. Gl. & N. of Ireland.	Monro's, Skirrah, the slave.	Ross, Skirrah, the slave.	Cairnness, Ork. N of Scotland.	gen. Scotland, Ber.	Setting every 5 day of each month.	Latitude.
m. d. d. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.	h. m. h. m. h. m. h. m. h. m. m. d. d. m.
Jun. 11	11	3:20	3:12	3: 4	2:52	2:44	11 11
5	17	3:21	3:13	3: 5	2:53	2:46	17 5
29	23	3:24	3:16	3: 9	3:00	2:51	23 29
May. 23	30	3:30	3:22	3:16	3: 7	2:59	23 23
17	6	3:38	3:30	3:25	3:17	3: 9	17 17
10	12	3:48	3:42	3:36	3:25	:22	10 11
4	19	3:59	3:53	3:48	3:41	3:35	15 6
28	25	4:11	4: 6	4:01	3:55	3:50	31 31
22	21	4:23	4:19	4:15	4:10	4: 5	25 25
15	14	4:36	4:30	4:25	4:23	4:21	19 19
9	13	4:50	4:47	4:44	4:40	4:37	13 13
3	19	5: 4	5: 2	5: 5	4:56	4:54	7 7
28	25	5:18	5:16	5:12	5:11	5:16	1 1
22	31	5:33	5:31	5:28	5:28	:27	20 25
16	6	5:46	5:45	5:44	5:44	5:43	18 18
10	12	6:00	:00	6:00	6:00	6:00	12 12
4	18	6:14	6:15	6:11	6:16	6:17	6 6
26	25	6:28	:29	6:31	6:32	6:33	16 31
February. 20	1	6:42	6:44	6:46	6:48	6:50	22 25
14	7	6:56	6:59	7: 1	7: 3	7: 6	28 3
8	13	7:10	7:13	7:16	7:19	7:23	19 13
2	19	7:24	7:27	7:31	7:35	7:39	9 6
27	25	7:37	7:41	7: 4	7:50	7:55	15 31
January. 21	31	7:49	7:54	7: 5	8: 4	8:10	22 25
15	6	8: 1	8: 6	8:12	8:18	8:25	28 4
9	11	8:12	8:18	8:24	8:31	8:38	19 12
2	17	8:22	8:28	8:35	8:43	8:51	10 6
28	23	8:30	8:37	8:44	8:52	9: 1	17 20
December. 23	29	8:36	8:43	:51	9:00	: 9	23 23
17	5	8:39	8:47	55	9: 5	9:14	5 17
11	11	8:40	8:48	8:56	9: 6	9:16	11 11

### A Necessary Note for Annualrent.

Annualrents preceeding *Lambas* 1636, were at 10 per cent. from thence to *Lambas* 1646 at 8 per cent. to *Lambas* 1649 at 6 and an half per cent. to *Mertimas* 1672 at 6 per cent. to *Mertimas* 1673. at 5 per cent. from thence to this present year at 6 per cent.

# A TABLE of Annualrent at 6 L. per Cent. per annum.

## The use.

Pr. Annualr.				Pr. Annualrent.			
sh.	L.	sh.	d.	L.	L.	sh.	d.
1	0	00	01	10	00	12	00
2	0	00	01	20	01	04	00
3	0	00	02	30	01	16	00
4	0	00	03	40	02	08	00
5	0	00	03	50	03	00	00
6	0	00	04	60	03	12	00
7	0	00	05	70	04	04	00
8	0	00	06	80	04	16	00
9	0	00	06	90	05	08	00
10	0	00	07	100	06	00	00
sh.	L.	sh.	d.	L.	L.	sh.	d.
11	0	00	08	100	06	09	00
12	0	00	08	200	12	00	00
13	0	00	09	300	18	00	00
14	0	00	10	400	24	00	00
15	0	00	10	500	30	00	00
16	0	00	11	600	36	00	00
17	0	01	00	700	42	00	00
18	0	01	01	800	48	00	00
19	0	01	01	900	54	00	00
20	0	01	02	1000	60	00	00
L.	L.	sh.	d.	L.	L.	sh.	d.
1	0	01	02	1000	60	00	00
2	0	02	04	2000	120	00	00
3	0	03	07	3000	180	00	00
4	0	04	09	4000	240	00	00
5	0	06	00	5000	300	00	00
6	0	07	02	6000	360	00	00
7	0	08	04	7000	420	00	00
8	0	09	07	8000	480	00	00
9	0	10	09	9000	540	00	00
10	0	12	00	10000	600	00	00

TO find the Annualrent of any principal summe by this Table, if the principal summe be under 10 L. seek it under the 1 Column of the Table and towards the right hand in the second Columnne, you have the Annualrent thereof. But if the principal summe be above 10 L. seek the tens, hundreds or thousands in the third Columnne, and towards the right hand in the fourth Column you have the Annualrent belonging thereunto; and if there be any odd pounds and shillings, seek them as before, and add their Annualrent to that which you have found, and the totall is the Annualrent required.

### 1. Example.

Suppose it be required to find the Annualrent of 138 L. 13 sh. for a year: work thus,

L. Pr.	L.	sh.	d.	
100	6	00	00	Interest or Annualr.
30	1	16	00	
8	0	09	07	
13 sh.	0	00	09	

138 L. 13 sh. - 8      06   04   Total.

To find the Annualr. of any summe above 10000 L. which is not in this Table, consider that every 10000 L. thereof is 600 L. Annualrent, and find the rest as in the Table.

To find the Annualr. of any summe for one, two or three moneths, &c. take the twelve part of that, which a year yields and that will be the Annualr. for a moneth, its double for two moneths, its triple for three, &c.

A ready Table shewing the Age of the Moon every day  
throughout this Year, 1689.

Days.	January	February	March	April	May	June	July	August	Septem.	October	Novem.	Decem.
1	20	22	20	22	22	25	25	28	28	30	30	
2	21	23	21	23	23	26	26	29	29	1	1	
3	22	24	22	24	24	27	27	30	1	2	2	
4	23	25	23	25	25	28	28	1	2	3	3	
5	24	26	24	26	26	29	29	2	3	4	4	
6	25	27	25	27	27	30	30	3	4	5	5	
7	26	28	26	28	28	1	1	4	5	6	6	
8	27	29	27	29	29	2	2	5	6	7	7	
9	28	30	28	30	1	3	3	6	7	8	8	
10	29	1	29	1	2	4	4	7	8	9	9	
11	1	2	1	2	3	5	5	8	9	10	10	
12	2	3	2	3	4	6	6	9	10	11	11	
13	3	4	3	4	5	7	7	10	11	12	12	
14	4	5	4	5	6	8	8	11	12	13	13	
15	5	6	5	6	7	9	9	12	13	14	14	
16	6	7	6	7	8	10	10	13	14	15	15	
17	7	8	7	8	9	11	11	14	15	16	16	
18	8	9	8	9	10	12	12	15	16	17	17	
19	9	10	9	10	11	13	13	16	17	18	18	
20	10	11	10	11	12	14	14	17	18	19	19	
21	11	12	11	12	13	15	15	18	19	20	20	
22	12	13	12	13	14	16	16	19	20	21	21	
23	13	14	13	14	15	17	17	20	21	22	22	
24	14	15	14	15	16	18	18	21	22	23	23	
25	15	16	15	16	17	19	19	22	23	24	24	
26	16	17	16	17	18	20	20	23	24	25	25	
27	17	18	17	18	19	21	21	24	25	26	26	
28	18	19	18	19	20	22	22	25	26	27	27	
29	19	20	19	20	21	23	23	26	27	28	28	
30	20	21	20	21	22	24	24	27	28	29	29	
31	21	22	21	22	23	25	25	28	29	30	30	

**Advertisement** To those who desire Mathematical Instruments, or Books, or Dr. Sare's Files of Health; or desire to be taught in any of the Mathematicks mentioned before in my Almanacks and Geographical Descriptions, with short and quick writing, Book keeping, or to separate fresh water from Sea or other salt or brackish water, in great quantities, viz, a Scots Gallon in the hour, which is near 4 English Gallons, they may be served at reasonable Rates, at my house being the reid house, in the middle of Lieth wind, at the sign of the Cross-staff, &c.

James Paterson.

**T**hese are giving Advertisement to all Noblemen and Gentlemen, who keep running Horses, That the present Magistrates of Perth, have revived the old Race, formerly accustomed to be run at that Place, now in desuitude for many years, it holds upon the Tuesday after Palm Sunday, the Plate is of the value of 12 *lib.* Horses of any prices are free to run, they being kept in Town 10 or 12 days before.

These are to give Notice, That by his MAJESTIES special Gift, the sole Priviledge of Printing Prognostications in this Kingdom is granted to Mr. PETER BRUCE Enginier: as also, there are to be sold by Him, Printing Paper, Pressing Papers, and Pasboard, all made in his Paper Manufactory: With all sorts of playing Cardes, made only in his Caird Manufactory, of which he has the only Priviledge.